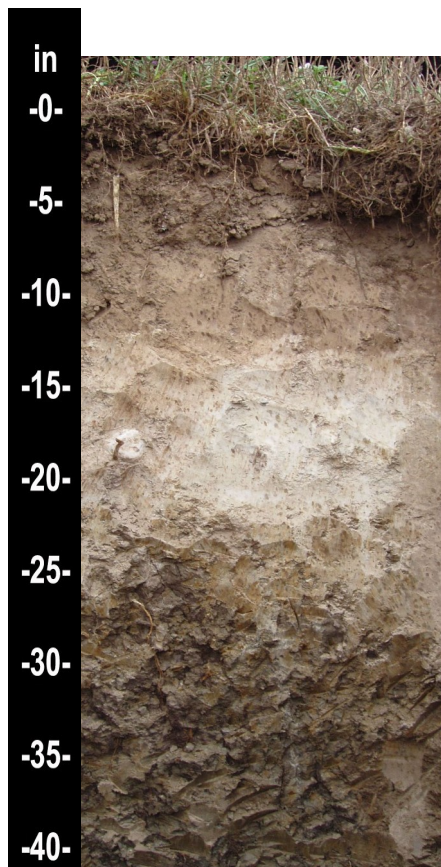


# MITCHELLBAY SERIES



Mitchellbay soils are on the gently sloping area in the foreground



# MITCHELLBAY SERIES

## Land Resource Region A

**Parent Material:** Glacial drift over dense glaciomarine deposits

**Extent:** Moderately extensive

**Climate:** Average annual precipitation is about 25 to 40 inches, and average annual soil temperature is about 48 to 50 degrees F. The climate is characterized by warm dry summers and mild moist winters.

**Depth:** 20 to 40 inches to a dense layer

**Drainage:** Somewhat poorly drained

**Average frost-free period:** 200 to 240 days

**Elevation:** 0 (sea level) to 500 feet

**Soil order:** Alfisols - strongly weathered soils with zones of clay accumulation.

**Family classification:** Fine-loamy, mixed, superactive, mesic Aquultic Haploxeralfs

Mitchellbay soils are in valleys and glacial drift plains in San Juan County, WA. They may also occur in other areas around Puget Sound. Natural vegetation consists of western redcedar, bigleaf maple, Douglas-fir and grand fir. Swordfern, deerfern, stinging nettle, and snowberry are in the understory.

**Uses:** Timber production. Most areas have been cleared and are used for pasture, forage crop production, and forestry.

**Management considerations:** Mitchellbay soils have restricted drainage, high water table, and dense layers in lower profile. Soil wetness limits management opportunities.

A seasonal perched water table occurs at 9 or 10 inches to 20 inches below the surface most of the time. The lower horizons have restricted water movement and are dense, hard to excavate, and restrict drainage.

Laboratory data are available for this soil: National Soil Survey Laboratory pedon number 03N0236.

The Official Soil Series Description is online at:

[https://soilseries.sc.egov.usda.gov/OSD\\_Docs/M/MITCHELLBAY.html](https://soilseries.sc.egov.usda.gov/OSD_Docs/M/MITCHELLBAY.html)